

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2000-198776

(43)Date of publication of application : 18.07.2000

(51)Int.Cl.

C07D237/14
A61P 1/00
A61P 1/16
A61P 9/00
A61P 13/00
A61P 29/00
A61P 37/02
A61P 43/00
A61K 31/50
A61K 31/5377
C07D237/04
C07D401/04
C07D401/06

(21)Application number : 10-319281

(22)Date of filing : 10.11.1998

(71)Applicant : KOWA CO

(72)Inventor : OGUCHI MASAO
KYOTANI YOSHINORI
SHIGYO HIROMICHI
KOSHI TOMOYUKI
KITAMURA TAKAHIRO
OGIYA TADAAKI
MATSUDA TAKAYUKI
YAMAZAKI YUKIYOSHI
KUMAI NATSUYO
KOTAKI KYOKO

(30)Priority

Priority number : 09318132
10311880

Priority date : 19.11.1997
02.11.1998

Priority country : JP

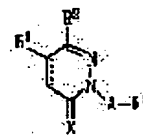
JP

(54) NEW PIRIDAZINE DERIVATIVE AND MEDICINE CONTAINING THE SAME AS ACTIVE INGREDIENT

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain the subject new derivative excellent in suppressing action on a specific interleukin production, and useful as a preventing and treating agent for an immune system disease, an inflammatory disease, an ischemic disease, or the like.

SOLUTION: This new piridazine derivative is a compound of formula I [R1 is a (substituted) aryl; R2 is a phenyl substituted at least with a lower alkoxy or the like at its 4 position and other positions thereof are substitutable; R3 is H or the like; A is a single bond or the like; X is O or the like; a broken line is a single bond or the like; provided that such conditions must be satisfied when the R3 is a halogenated lower alkyl, the A is a single



II

bond, or the like], preferably 5,6-bis(4-methoxyphenyl)-2-(4-chlorocinnamyl)-2H-pyridazin-3-one, or the like. The compound of formula I is obtained e.g. by reacting a compound of formula II with glyoxalic acid, reacting a hydrated hydrazine with the obtained compound, then performing dehydration reaction, and then reacting the obtained compound of formula III with a compound of the formula: R³-A-Y (Y is a halogen). The obtained compound has an interleukin-1 β production-suppressing activity.

LEGAL STATUS

[Date of request for examination] 19.02.2002

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number] 3335132

[Date of registration] 02.08.2002

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]